OIPE IAP52
NOV 14 2005
PATENT & TRADEMARK OFFICE

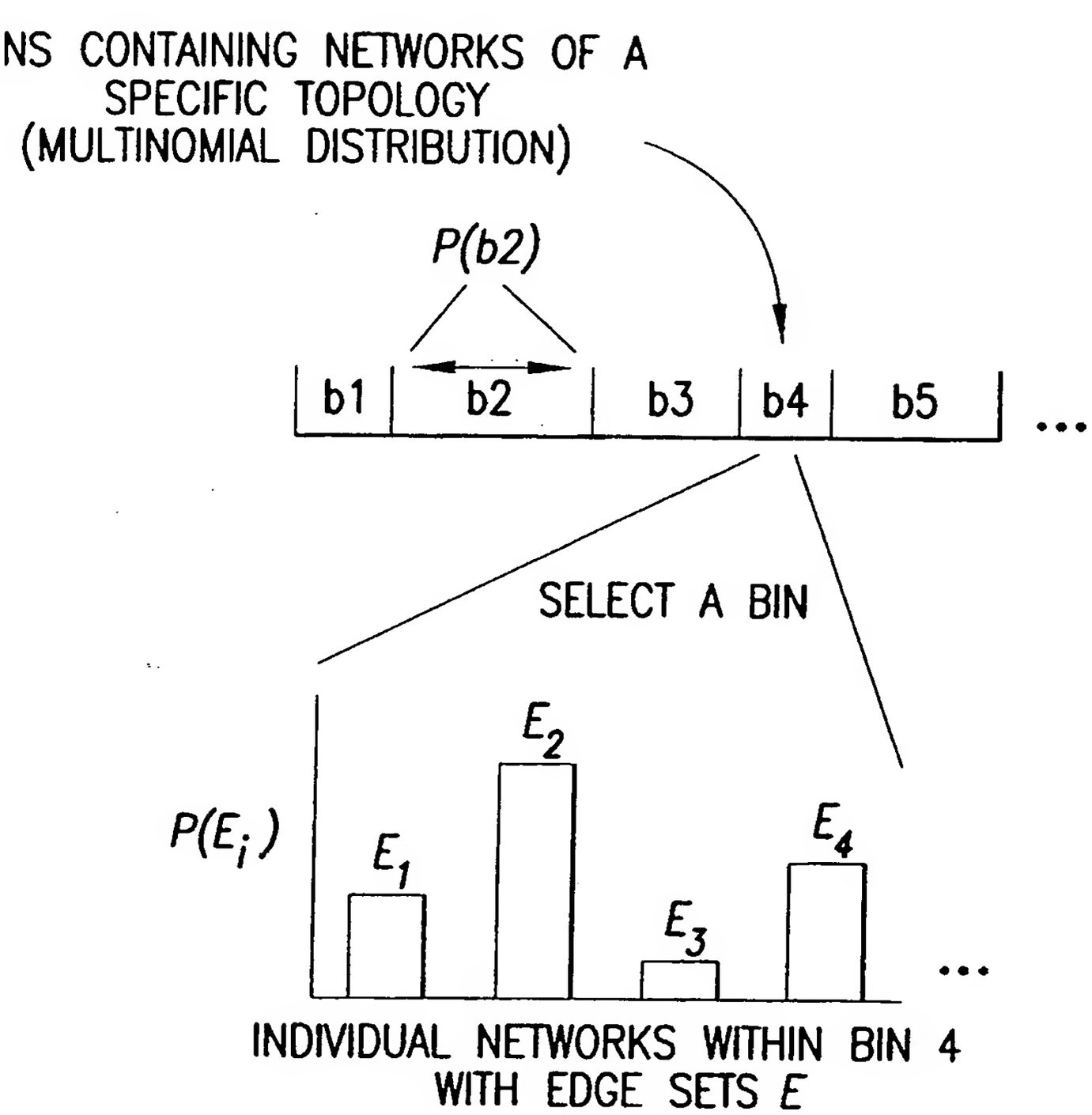

FIG.1

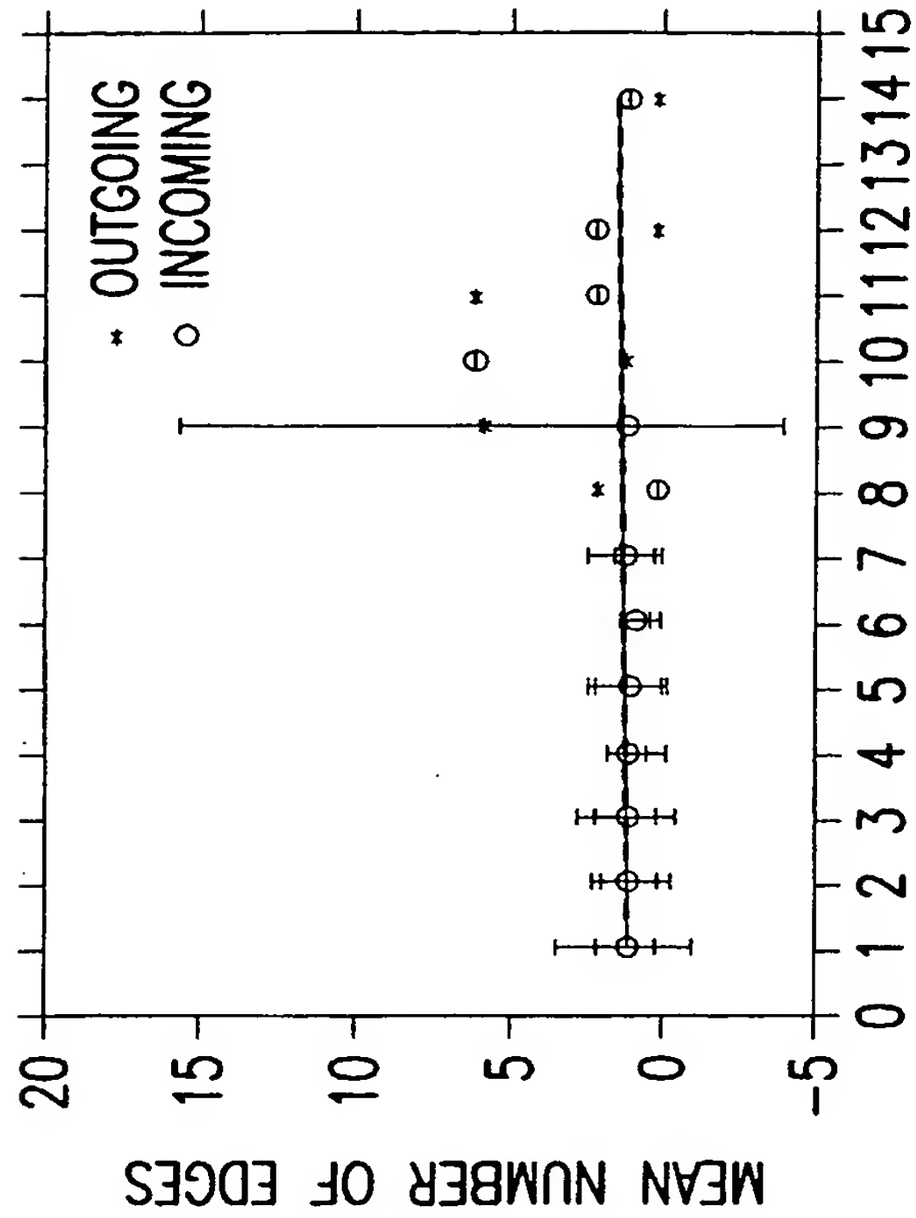
* OUTGOING
o INCOMING
MEAN NUMBER OF EDGES
20
15
10
5
0
-5
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
DOMAINS/PROTEIN

FIG. 2B

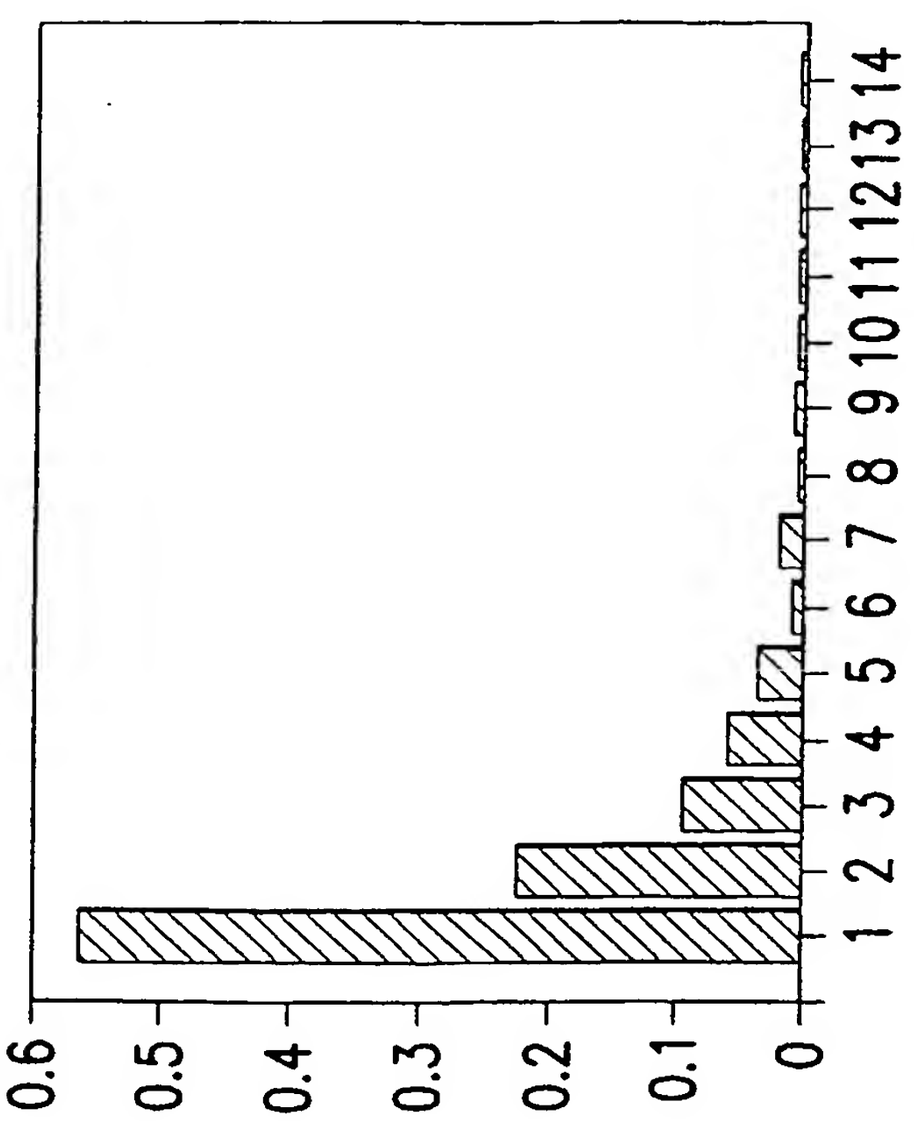
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14
NUMBER OF DOMAINS

FIG. 2A

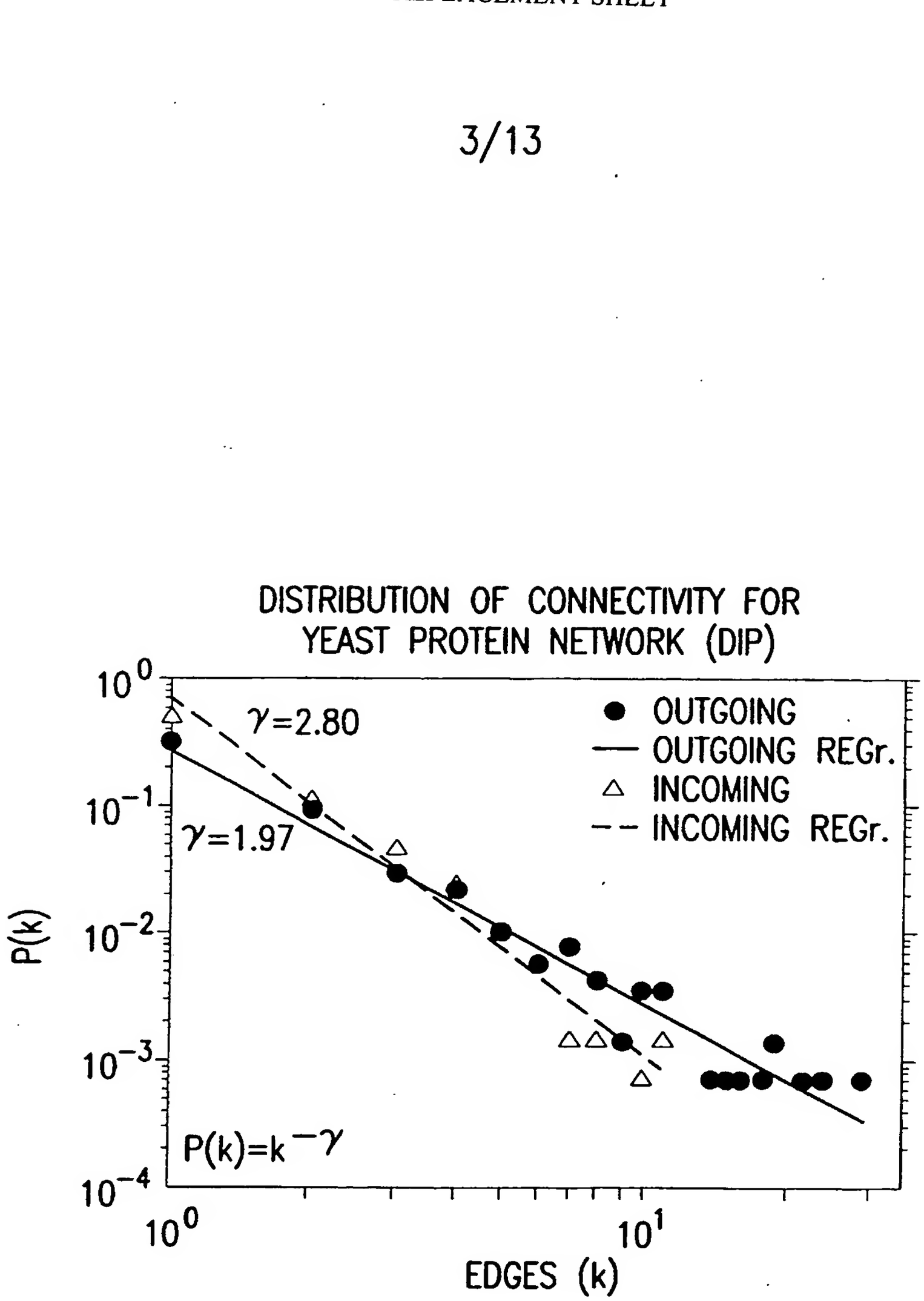
DISTRIBUTION OF CONNECTIVITY FOR
YEAST PROTEIN NETWORK (DIP)
P(k)
EDGES (k)
γ=2.80
γ=1.97
P(k)=k^−γ
OUTGOING
OUTGOING REGr.
INCOMING
INCOMING REGr.
10^0
10^−1
10^−2
10^−3
10^−4
10^0
10^1

FIG. 3

FIG.4A

FIG.4B

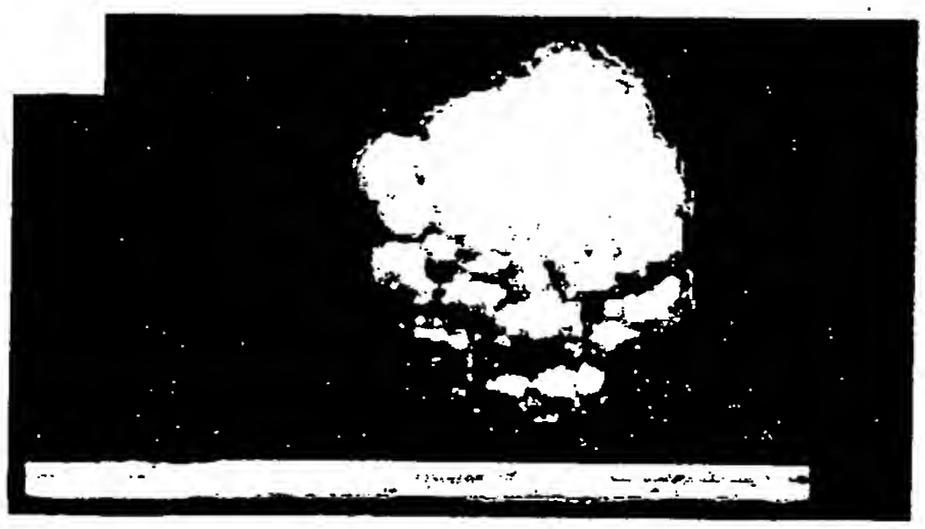

FIG.4C

LOG(L)=−36.1

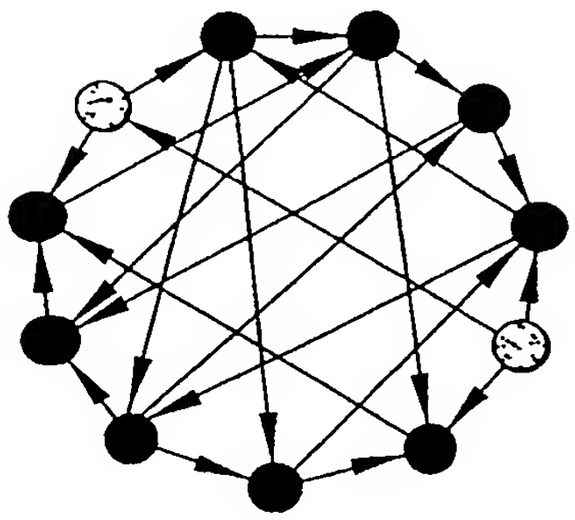

FIG. 5A

LOG(L)=−10.3

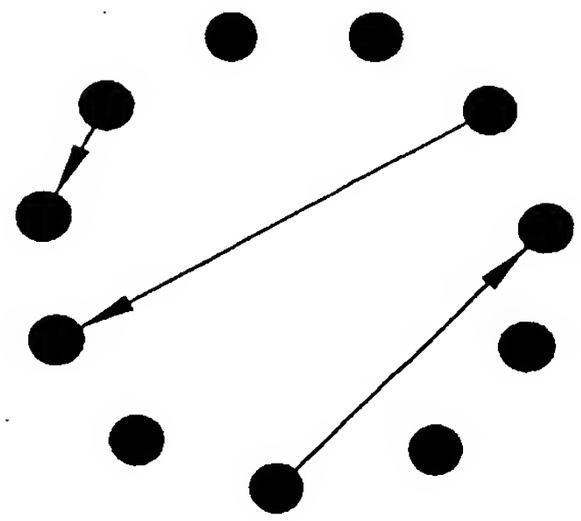

FIG. 5B

LOG(L)=−9.2

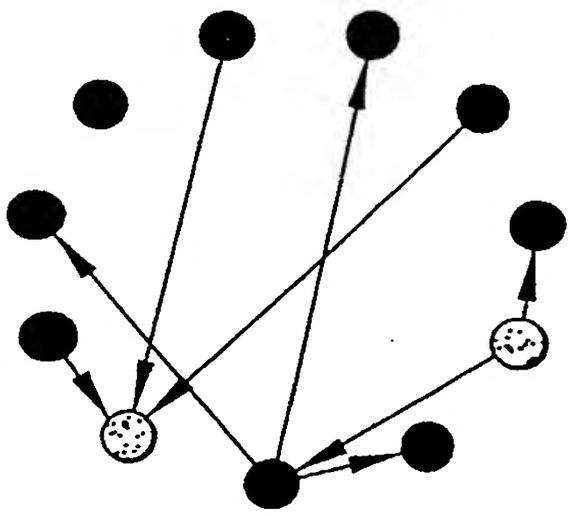

FIG. 5C

LOG(L)=−9.7

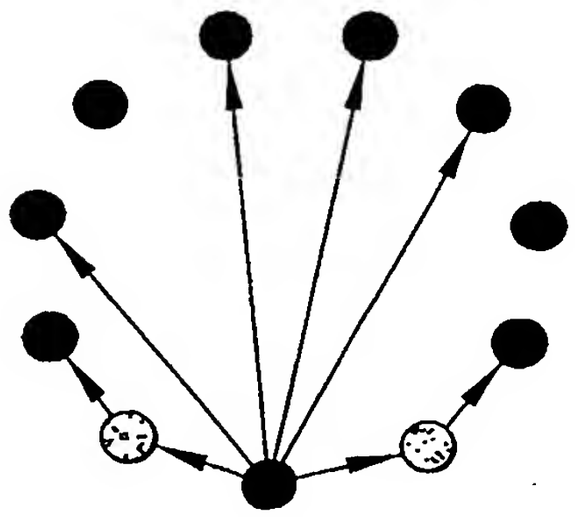

FIG. 5D

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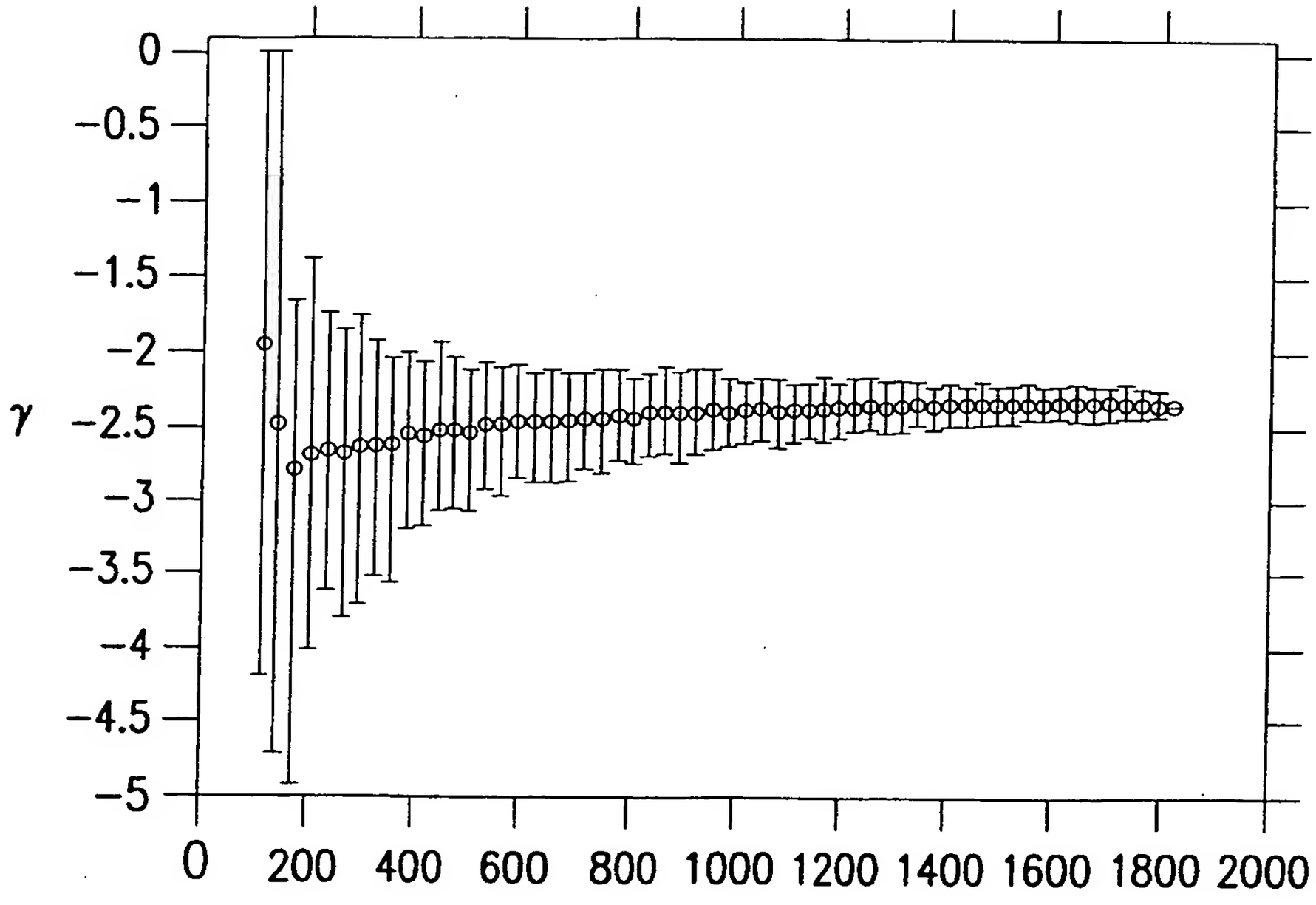
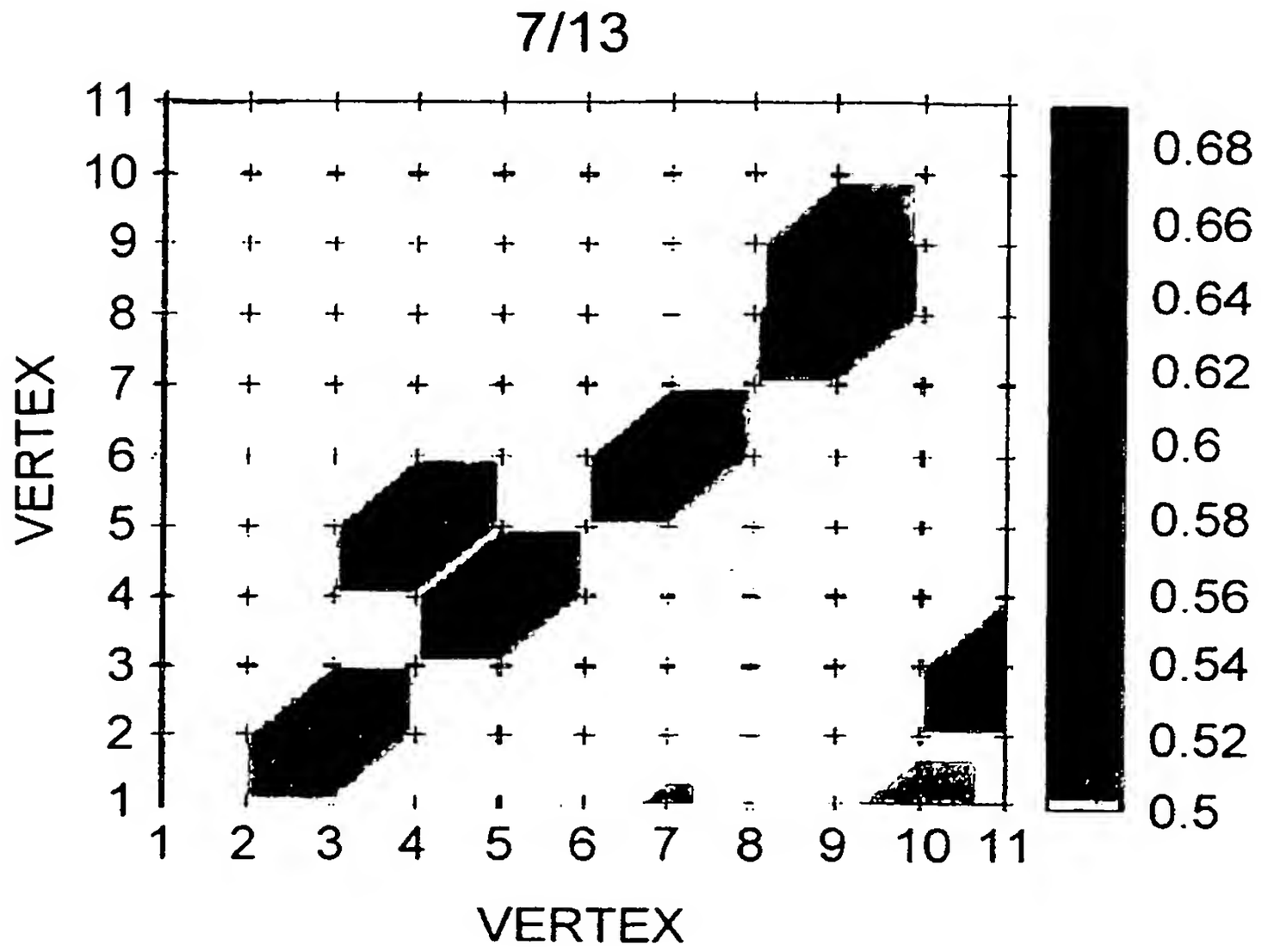

0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
γ
0
200
400
600
800
1000
1200
1400
1600
1800
2000
VERTICES SAMPLED

FIG. 6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VERTEX
11
10
9
8
7
6
5
4
3
2
1
1 2 3 4 5 6 7 8 9 10 11
VERTEX
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0.52
0.5

FIG.7A

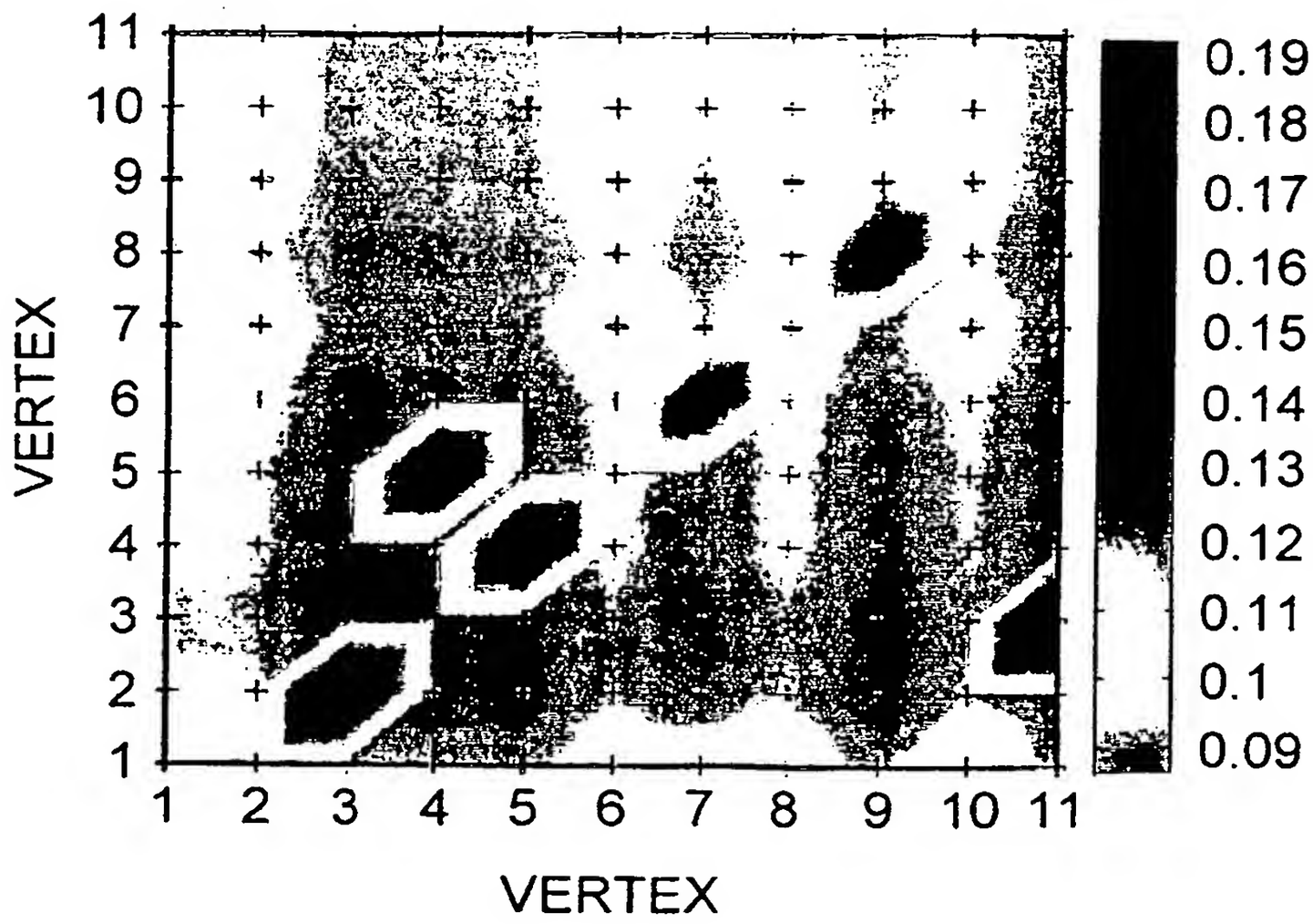
VERTEX
11
10
9
8
7
6
5
4
3
2
1
1 2 3 4 5 6 7 8 9 10 11
VERTEX
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09

FIG.7B

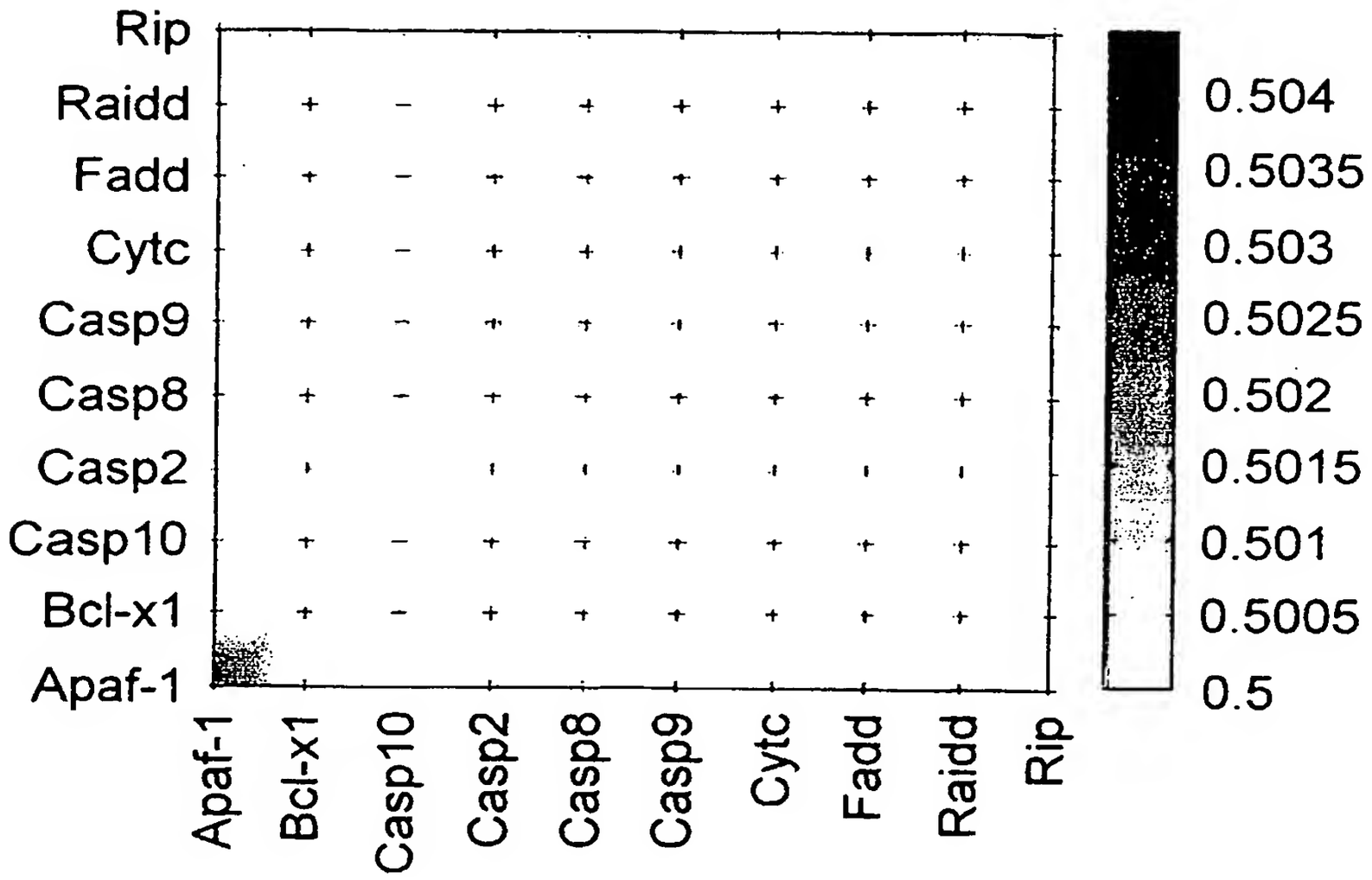
Rip
Raidd
Fadd
Cytc
Casp9
Casp8
Casp2
Casp10
Bcl-x1
Apaf-1
Apaf-1
Bcl-x1
Casp10
Casp2
Casp8
Casp9
Cytc
Fadd
Raidd
Rip
0.504
0.5035
0.503
0.5025
0.502
0.5015
0.501
0.5005
0.5

FIG.8

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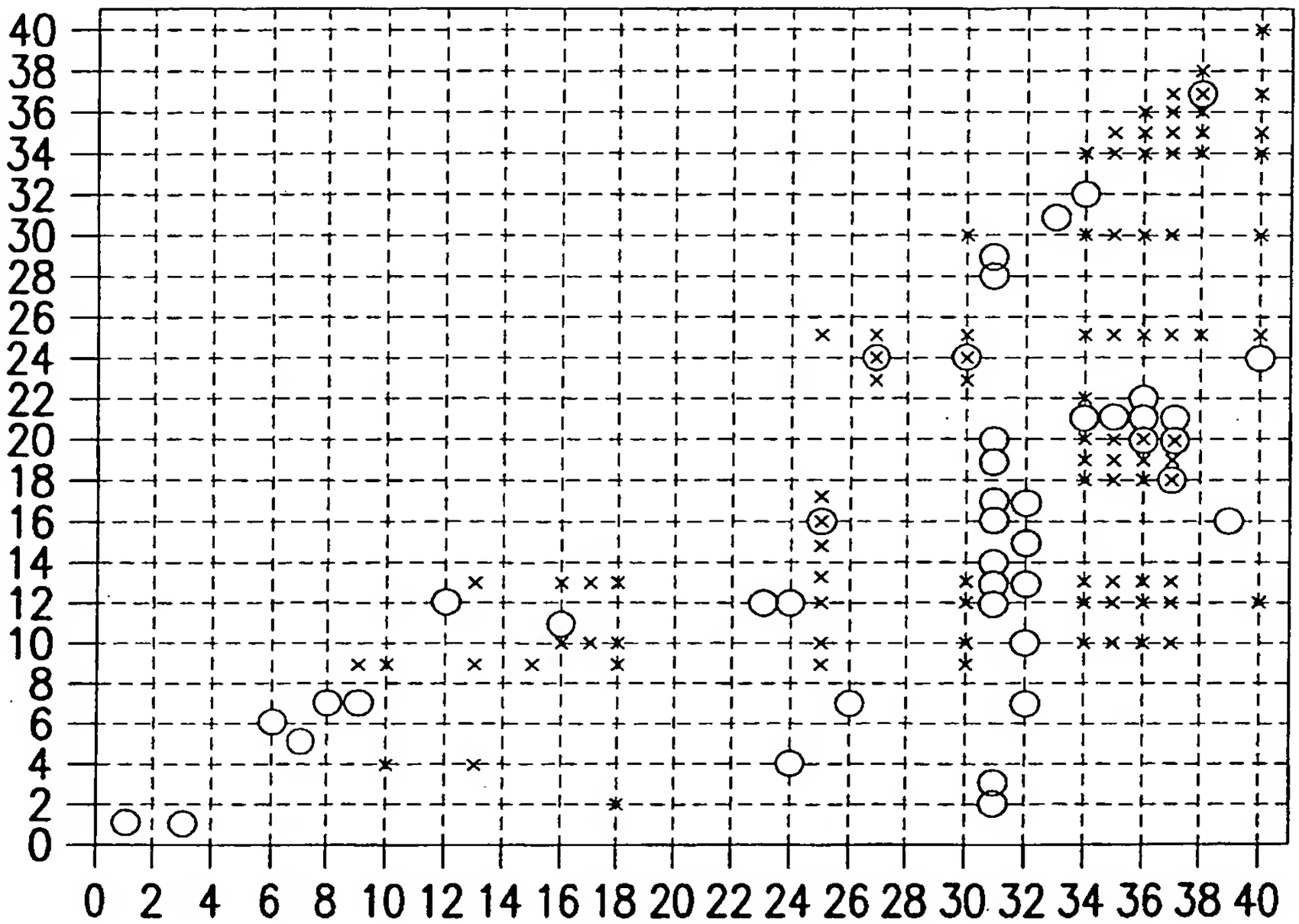
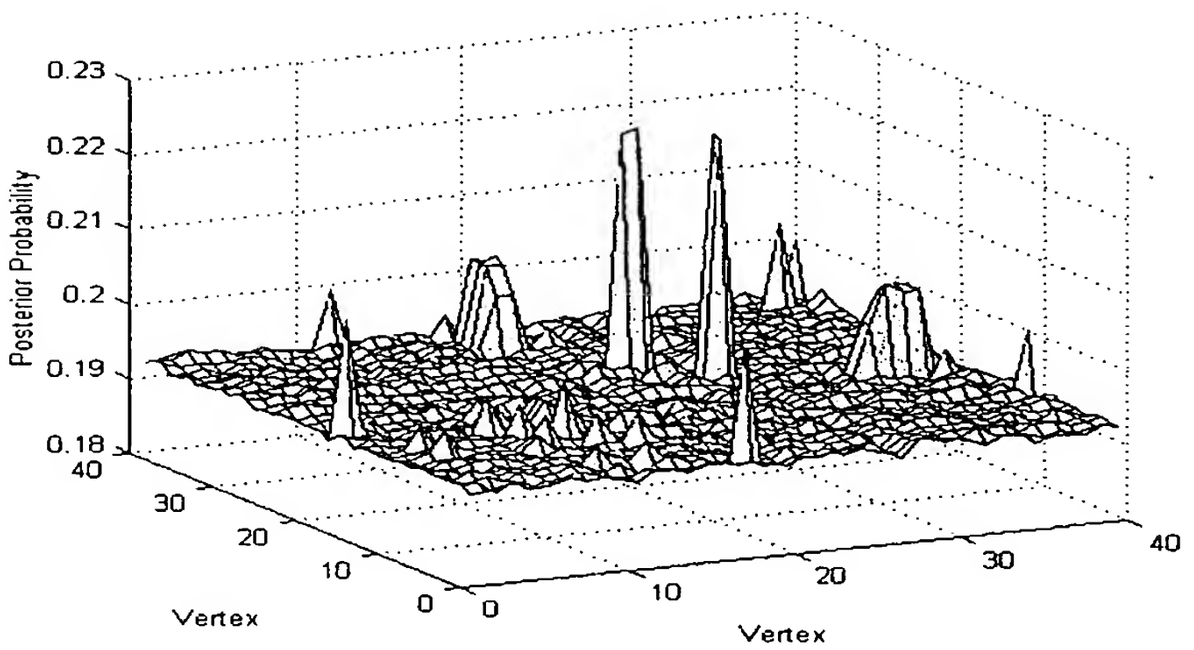


FIG. 9

FIG.10A



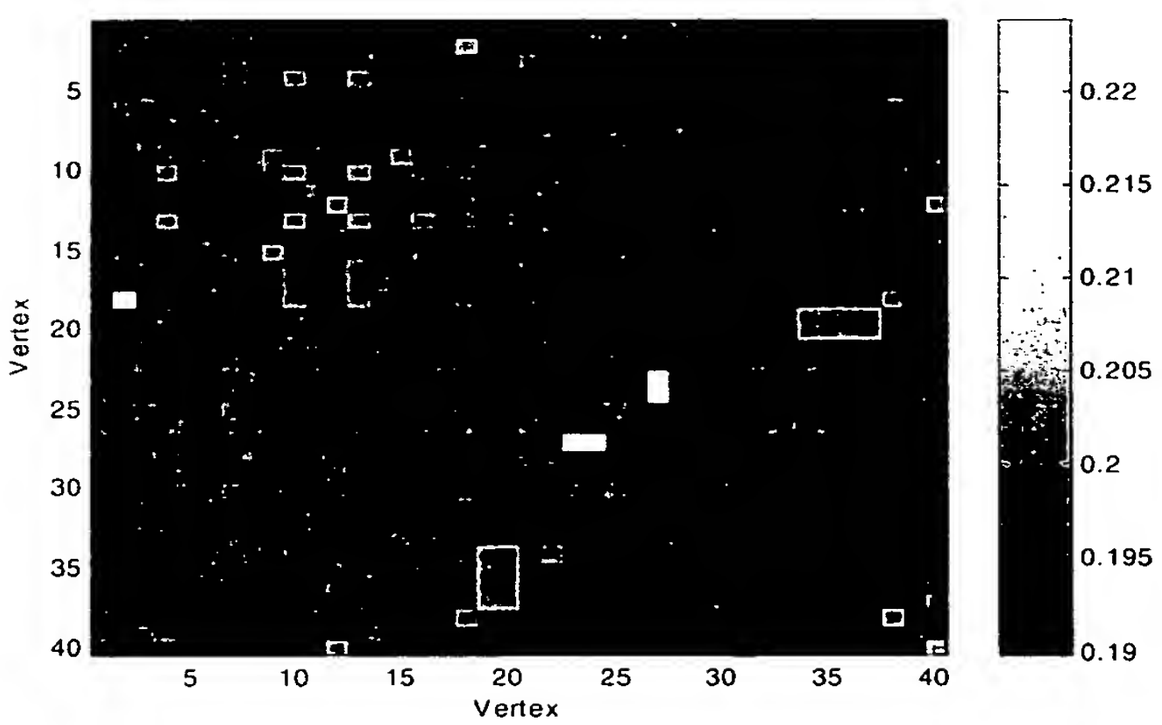


FIG.10B

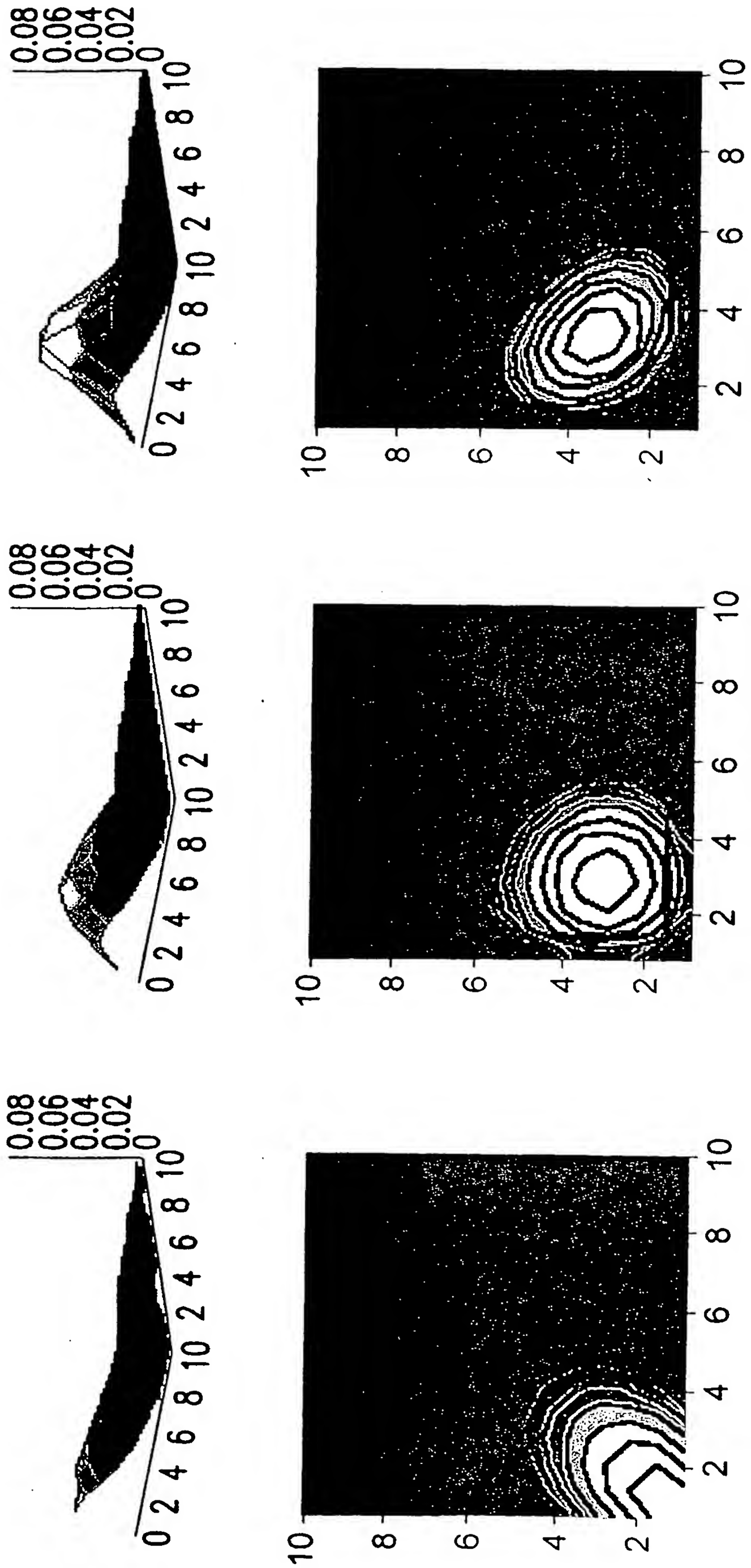


FIG. 11C

FIG. 11B

FIG. 11A

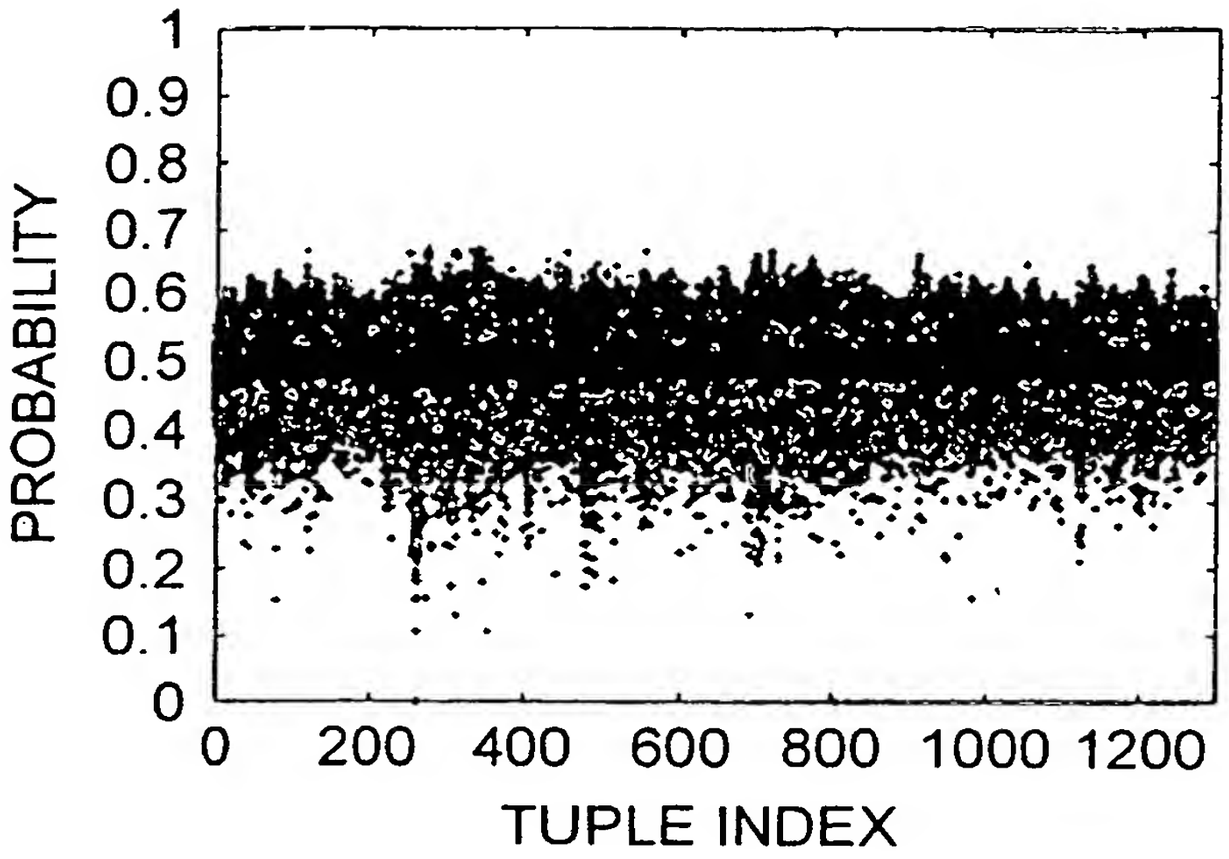


FIG.12A

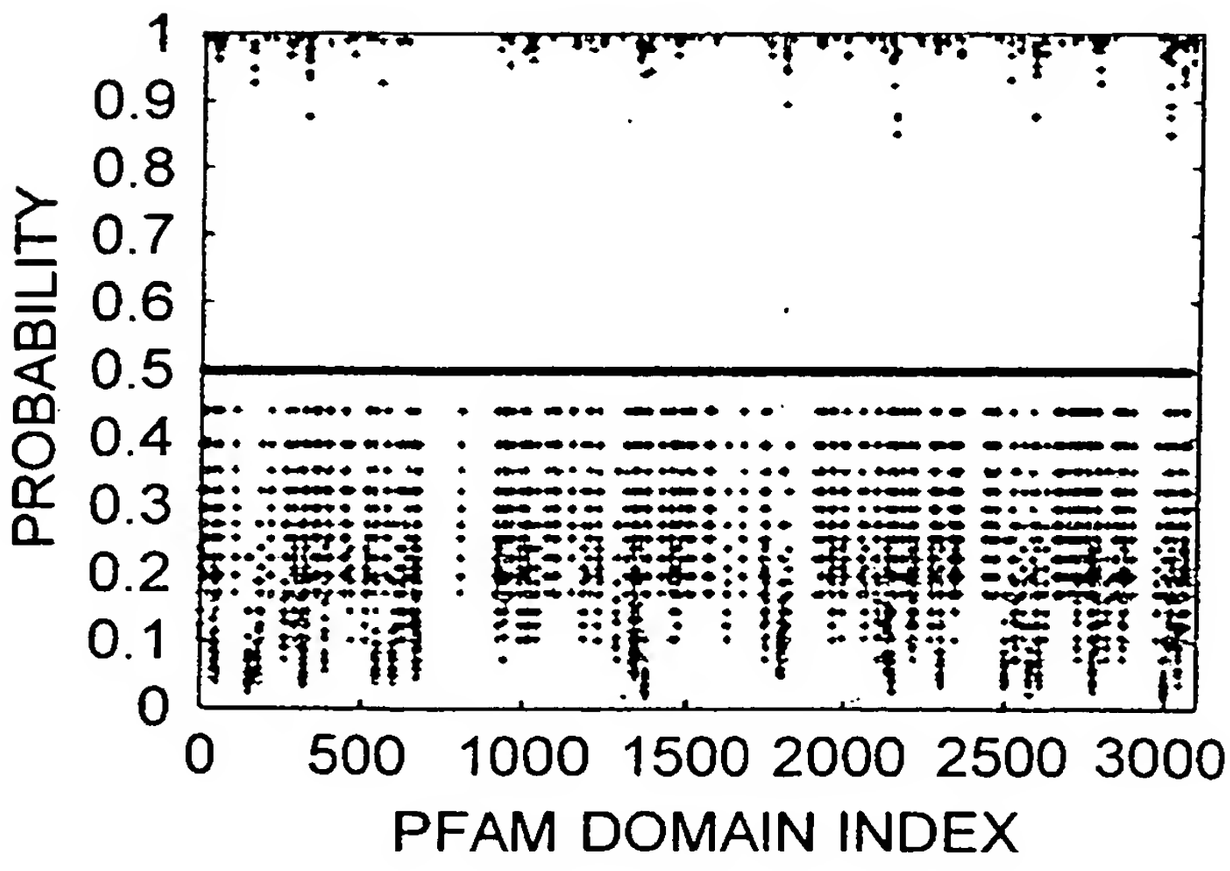


FIG.12B

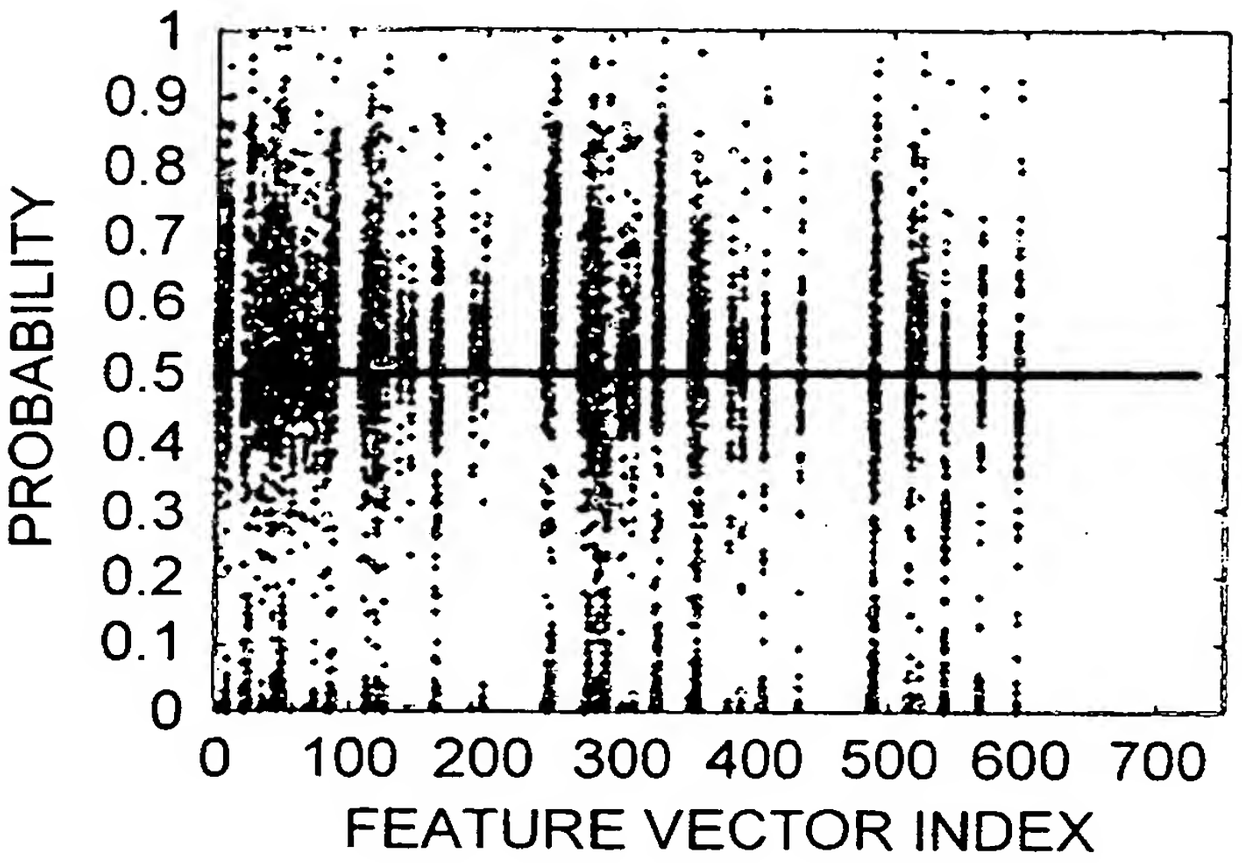


FIG.12C

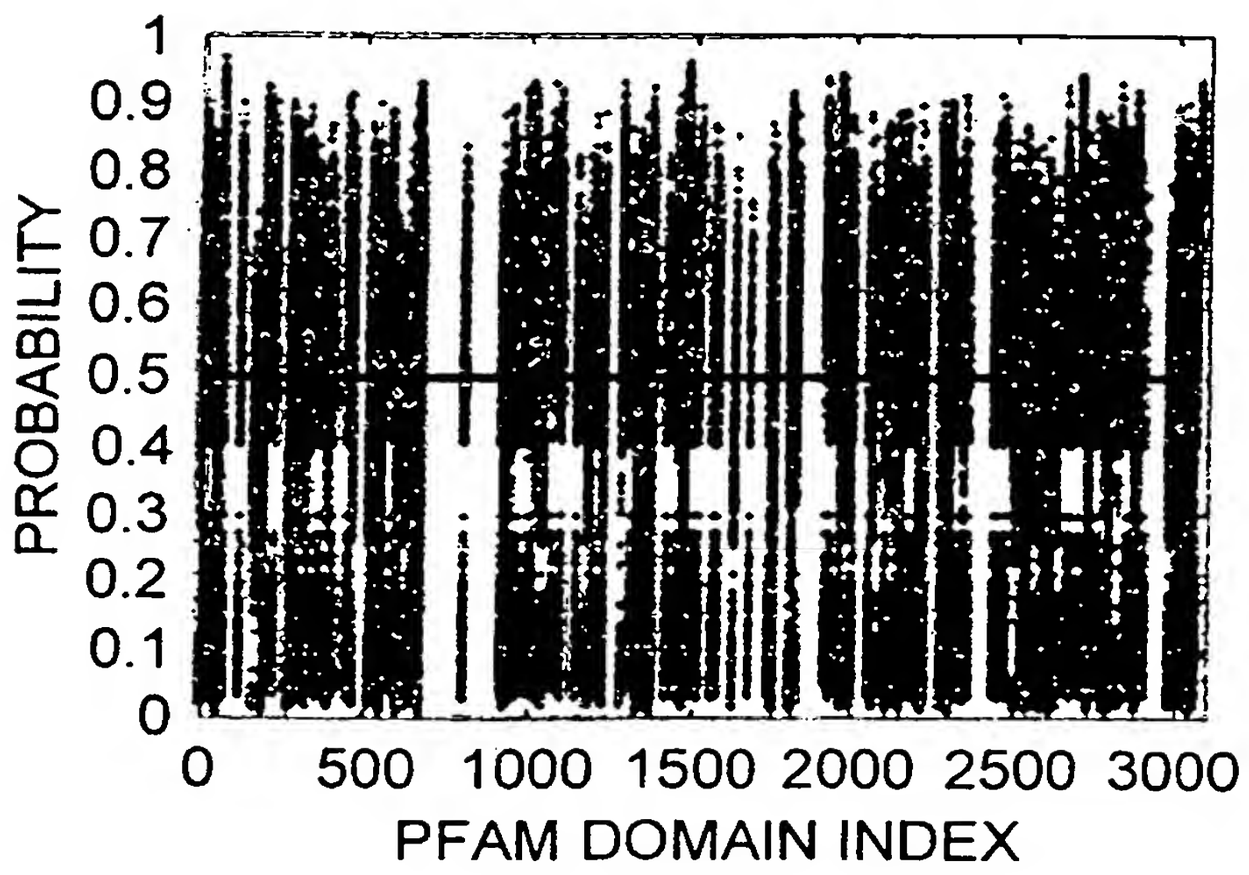


FIG.12D